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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,167	09/11/2003	Paul Reuben Day	ROC920030144US1	7591
30206	7590	10/25/2007	EXAMINER	
IBM CORPORATION			PHAM, MICHAEL	
ROCHESTER IP LAW DEPT. 917			ART UNIT	
3605 HIGHWAY 52 NORTH			PAPER NUMBER	
ROCHESTER, MN 55901-7829			2167	
			MAIL DATE	DELIVERY MODE
			10/25/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary

Application No.

10/660,167

Applicant(s)

DAY ET AL.

Examiner

Michael D. Pham

M.P.

Art Unit

2167

All participants (applicant, applicant's representative, PTO personnel):

(1) Michael D. Pham.

(3) Scott A. Stinebruner (reg. 38,323).

(2) Cam Y Truong.

(4) _____.

Date of Interview: 18 October 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
If Yes, brief description: _____.

Claim(s) discussed: 7.

Identification of prior art discussed: Ozbutun and Thai.

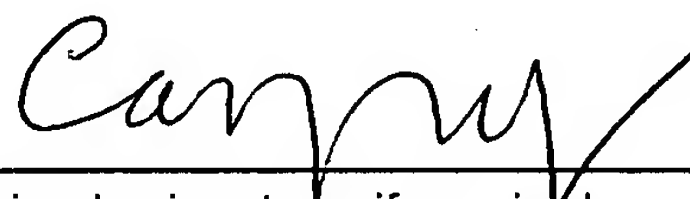
Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative explained the invention with respect to the claims. The examiners discussed the prior art in respect to the agenda. It was suggested to further define primary task with respect to figure 3. Examiners' further suggested to clarify the claims in respect to the arguments presented in the agenda such as further clarify "background task that is associated with the same query"; and to incorporate claim 12. Examiners will further review the case for allowance, pending any remaining issues, such as 35 U.S.C. 112, when a formal response is submitted.

WOOD, HERRON & EVANS, L.L.P.

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PATENT, TRADEMARK, COPYRIGHT
AND UNFAIR COMPETITION LAW
AND RELATED LITIGATION

FREDUND P. WOOD 1923-1988
TRUMAN A. HERRON 1935-1976
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October 11, 2007

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FACSIMILE COVER SHEET

To: Examiner Michael Pham
Art Unit 2167
The United States Patent and Trademark
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Enclosures:

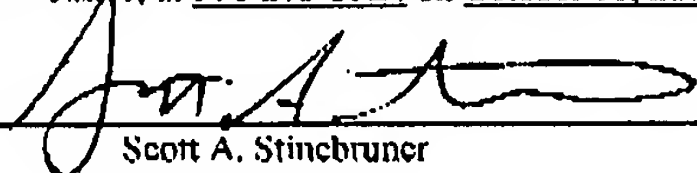
Fax Cover Sheet containing Certificate of
Facsimile Transmission (1 page)
Agenda and Proposed Amendments
(1 page)

From: Scott A. Stinebruner

Re: Application No. 10/660,167
Filed: September 11, 2003
Applicant: Paul Reuben Day et al.
Confirmation No. 7591
Attorney Docket No. ROC920030144US1
Our File: IBM/256
Pages: 2 (including cover sheet)

MESSAGE/COMMENTS**Interview Agenda attached.****CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this correspondence and the enclosures noted herein (2 total pages, including cover sheet) are being transmitted via facsimile transmission to Examiner Michael Pham, The United States Patent and Trademark Office, at 571-273-3924 on October 11, 2007.


Scott A. Stinebruner

10/11/07
Date

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Interview Agenda

10/660,167

§103 rejection

Claim 7 runs a first, primary task and a second, background task that run concurrently and are associated with the same query. The primary task retrieves records from storage using a bitmap that has been initialized to all active values. The background task updates the bitmap by setting values inactive for records that are determined from an index to not correspond to a selection criteria.

Examiner admits Thai does not disclose (1) running a background task associated with the same query concurrently with a primary task; (2) scanning a column of a table using an index and determining records not satisfying portion of selection criteria. Instead, Examiner relies on new reference to Ozbutun.

Ozbutun does not disclose a background task for updating/building a bitmap, where the background task is associated with the same query as the primary task.

Ozbutun discloses transactions that concurrently access different segments of a bitmap to update the bitmap; however, these transactions are not associated with the same query as the primary task. The transactions perform updates to correspond to changes made to the underlying table data, not to build the bitmap. (col. 6, lines 29-45).

Examiner asserts tasks are "associated with same query" because "queries are for the same bitmap." This is incorrect. Bitmaps are associated with columns of data, not queries. Completely different queries can use the same bitmap.

Ozbutun does not disclose updating a bitmap responsive to scanning a column of a table using an index built over the column.

Ozbutun discloses transactions that update a bitmap responsive to changes made to the underlying table data, not by scanning an index. (col. 6, lines 29-45).

Ozbutun discloses the bitmaps as being "bitmap indexes;" however, claim 7 requires a bitmap and an index, and there is no disclosure that an index is accessed when determining whether to update a bitmap.

Thai also teaches away, since col. 9, line 63 to col. 10, line 4 teaches that (1) a bitmap is built only when no index exists, and (2) the avoidance of accessing records only occurs on "subsequent query operations performed for the expression." Ozbutun also does not suggest any progressive building of a bitmap concurrently with using the bitmap to process a query.